

# Shell Projects & Technology

ICSJWG Spring Conference

April 2010

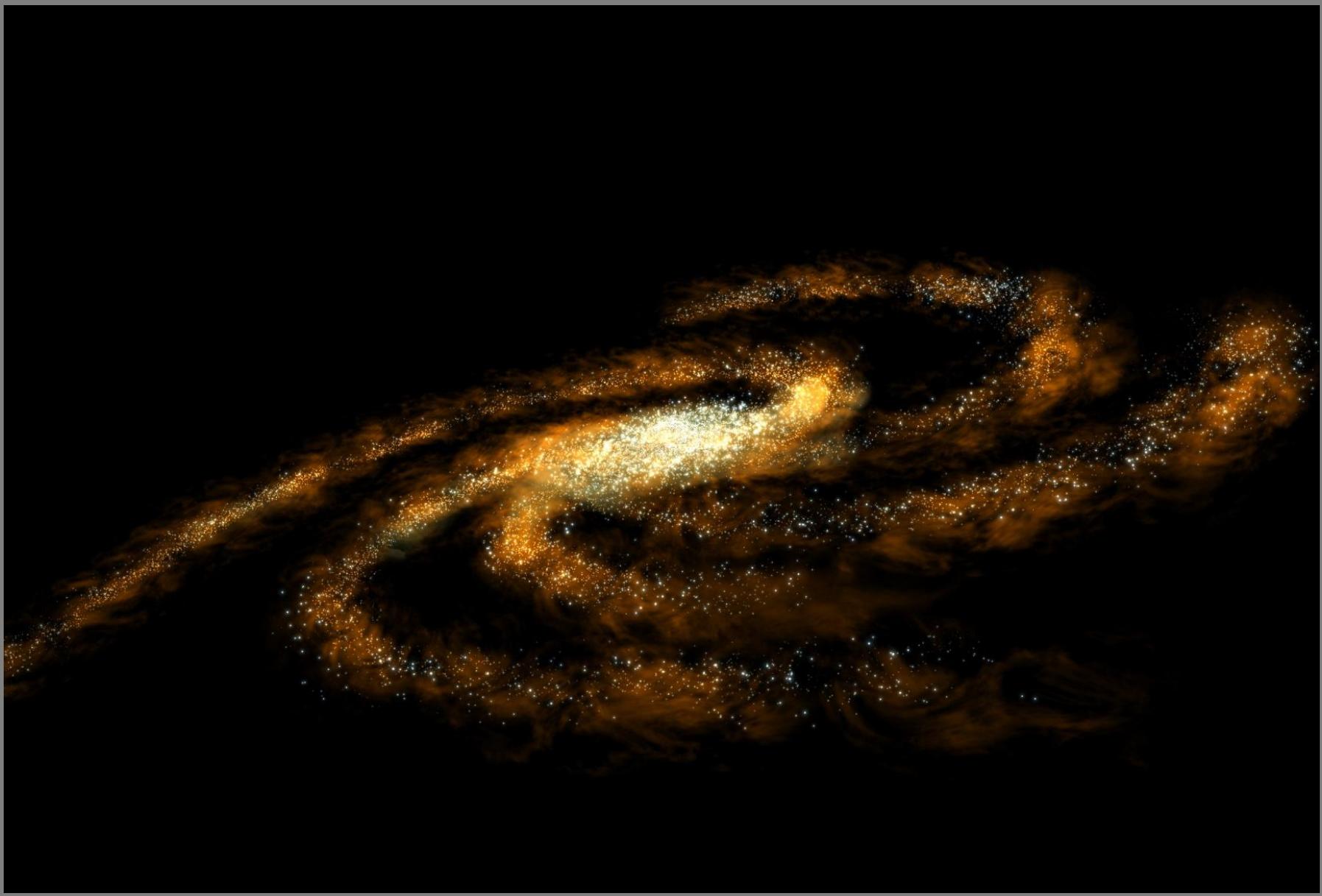


Peter Kwaspen

*Strategy & Development*

*DACA Security*









In hac vestibulum ratione dico. Quoniam sapientia, quae  
potest esse, in facilius mundis esse potest. Unde etiam  
quod, potestimur posse impetrare, possedimus enim.  
accidentem enim, necessarium est enim, utrumque. Multo tamen  
fringit. Ad hanc et amicis vitam enim extrahendum existimat.  
Nulla tamen blasphemiam est, quae blasphemat, nisi ut  
vita. Duis ultricies nisi eu excede. Procedamus vel cum nichil  
taciturn portitor faciatibus. Nam mollescit societas enim.  
Ad hunc dolor ipsum, herculeum est, accutissimam voluntatem.  
ultricies suscipit, nunc. Proin tristisque, dolor a  
libendum commendo, qui tortor portitor habeo. In  
lame corpori est est vita laicus. Nullam sed vell,  
*nean adipiscitur.*









AGA12-2 SCADA  
encryption

API 1164 Security  
Guidelines for  
the Petroleum  
Industry CIDX

ISO 17799

ISO 27001

ISO 27002

IEC 62351

IEC 62443

IEEE 1402

ISA99-1

ISA99-2

NIST SP800-53

NERC Security Guidelines

NIST SP800-14

NERC CIP

NIST SP800-82

ISA99-3

ISA99-4



ISA99-6

ISA SP100 Wireless  
Systems for  
Automation

IEC 62439 High  
Availability  
Automation  
Networks

ISO 2382-8  
Information  
Technology –  
vocabulary –  
security

IEC 61784-4 IEC  
60870-6  
Telecontrol  
Equipment and  
Systems



Fantasyecards.com



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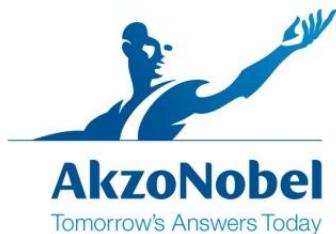
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bp





DACA security  
standards and  
experiences



IDEAL standard



Cyber Security  
Procurement  
Language for  
Control  
Systems

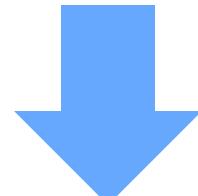
WIB Report M 2784 X10,  
Process Control Domain –  
Security Requirements For  
Vendors, First Issue:  
March-2010, Index  
Classification 50.1- version:  
1.0

Shell DEP 32.01.23.17-  
Gen, Process Control  
Domain – Security  
Requirements For  
Vendors, version 1.0.

Secure products  
APC version 1  
level Bronze



vendors



Security  
practices  
certification





# ControlGlobal.com

PROMOTING EXCELLENCE IN PROCESS AUTOMATION



**WIB**

[www.wib.nl](http://www.wib.nl)



# Procurement Language Document

Cyber Security Procurement Language for Control Systems

Department of Homeland Security (DHS):

[http://www.us-cert.gov/control\\_systems/](http://www.us-cert.gov/control_systems/)

## Why not used as WIB Standard for Certification:

- Gaps in Procurement Document, e.g. only covers procurement phase
- Target audience different (Procurement Dept. vs. Vendors)
- Lots of tutorial information in Procurement Language document makes the document time consuming to read.



[www.wib.nl](http://www.wib.nl)

The International Instrument Users' Association.

WIB provides process instrumentation evaluation- and assessment services for- and on behalf of- its industrial user member companies. WIB operates in close collaboration -through the SWE federation- with sister Associations, EXERA in France and SIREP/EI in the UK. A co-operation agreement exists with the NAMUR organization in Germany.

#### WIB MISSION

Facilitate exchange of experience and expertise amongst end-users and with vendors of C&A

Provide requirements, selection and application guidance through independent evaluation



## Membership List

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Ademe

Adisseo

Aeroport de Paris

Agence de L'Eau Artois Picardie

Air Liquide

Akzo Nobel T&amp;E

Aramco Overseas Company

AREVA

Arkema

ASM Brescia

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CETIAT

CETIM

Chiyoda Corporation

DCNS

DGA

DOW Benelux

DSM BV

Du Pont de Nemours BV

EADS/AIRBUS

EDF

ENEL Generazione

EniACQUA CAMPANIA

ExxonMobil USA

GDF

Health &amp; Safety Executive

Heineken SCS

IGR

INEOS

INERIS

INRS

Intertek Polychemlab

IRA

Italcimenti/CTG

KEMA Nederland BV

Kuwait Petroleum Europoort BV

Laborelec

Lanxess

LNE

Lubrizol France

Lyondell Basell

Magneox Electric Ltd

Nantes Metropole – Direction de l'Eau

Nederlands Meetinstituut-Nmi

NPL Management Ltd

Petro SA

Polimeri Europa

RATP

Renault SA

RHODIA

Rolls-Royce Submarines

SABIC Europe BV

Saint-Gobain

SANOFI PASTEUR

Schering-Plough Corp. ( Organon )

Sellafield Ltd

Shell Global Solutions International

ShinEtsu PVC BV

SIP Standardiserad Instrumentprovning

Solvay SA

Suez Environnement

Total

Universita Di Genova

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Waternet

Wintershall Noordzee BV